



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY, FLORIDA
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

WinDoor, Inc.
7500 Amsterdam Drive
Orlando, Fl. 32832

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/ or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "3100 Architectural" Aluminum Fixed Window - L.M.I.

APPROVAL DOCUMENT: Drawing No. 08-02263, titled Series "3100 Architectural Shapes Fixed Window LMI & SMI HVHZ", sheets 01 through 08 of 08, dated 12/19/13 with revision "B" dated 09/22/14, prepared by manufacture, signed and sealed by Luis R. Lomas, P. E., bearing the Miami-Dade County Product Control Section Approval stamp with the Notice of Acceptance number and Approval date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/ or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by Jaime D. Gascon, P. E.



J. Gascon
10/16/14

NOA No. 14-0129.15
Expiration Date: October 16, 2019
Approval Date: October 16, 2014
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **08-02263**, titled Series "3100 Architectural Shapes Fixed Window LMI & SMI HVHZ", sheets 01 through 08 of 08, dated 12/19/13 with revision "B" dated 09/22/14, prepared by manufacture, signed and sealed by Luis R. Lomas, P. E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94
along with marked-up drawings and installation diagram of an aluminum fixed window, prepared by National Certified Testing Laboratories, Inc., Test Report No. **NCTL-210-3900-01**, dated 09/23/13, signed and sealed by Gerard J. Ferrara, P. E.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC-2010** and with **FBC 5th Edition (2014)**, dated 12/31/13, prepared, signed, sealed and dated 10/01/14 by Luis R. Lomas, P. E.
2. **Glazing complies with ASTM E1300-04/ 09**

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS


1. Notice of Acceptance No. **11-0624.02** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont SentryGlas® Interlayer**" dated 08/25/11, expiring on 01/14/17.

F. STATEMENTS

1. Statement letter of no financial interest, independence, conformance and complying with **FBC-2010** and with **FBC 5th Edition (2014)**, dated 04/14/14, issued, signed and sealed by Luis R. Lomas, P. E.
2. Laboratory compliance letter for Test Report No. **NCTL-210-3900-01**, issued by National Certified Testing Laboratories, Inc., dated 09/23/13, signed and sealed by Gerard J. Ferrara, P. E.

G. OTHERS

1. None.


Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 14-0129.15
Expiration Date: October 16, 2019
Approval Date: October 16, 2014

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER MD COMMENTS	04/14/14	R.L.
B	REVISED CHART #1 AND #2	09/22/14	R.L.

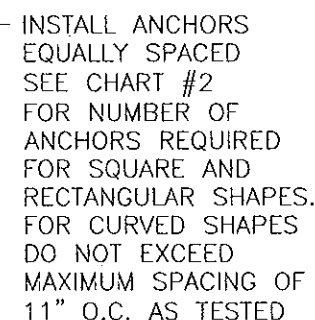
NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING THE HVHZ.
2. WOOD FRAMING AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
3. 1X BUCK OVER MASONRY/CONCRETE IS OPTIONAL 1X TO BE PROPERLY SECURED.
4. WHERE SHIM OR BUCK THICKNESS IS LESS THAN 1-1/2" WINDOW UNITS MUST BE ANCHORED THROUGH THE FRAME IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS. ANCHORS SHALL BE SECURELY FASTENED DIRECTLY INTO MASONRY, CONCRETE OR OTHER STRUCTURAL SUBSTRATE MATERIAL.
5. WHERE WOOD BUCK THICKNESS IS 1-1/2" OR GREATER, BUCK SHALL BE PROPERLY SECURELY FASTENED TO MASONRY, CONCRETE OR OTHER STRUCTURAL SUBSTRATE. WINDOW UNITS MAY BE ANCHORED THROUGH WINDOW FRAME TO SECURED WOOD BUCK IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS.
6. WHERE 1X BUCK IS NOT USED DISSIMILAR MATERIALS MUST BE SEPARATED WITH APPROVED COATING OR MEMBRANE. SELECTION OF COATING OR MEMBRANE IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
7. BUCKS SHALL EXTEND BEYOND WINDOW INTERIOR FACE SO THAT FULL FRAME SUPPORT IS PROVIDED.
8. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4".
9. SHIMS SHALL BE MADE FROM MATERIALS CAPABLE OF SUSTAINING APPLICABLE LOADS, LOCATED AND APPLIED IN A THICKNESS CAPABLE OF SUSTAINING APPLICABLE LOADS.
10. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
11. FRAME MATERIAL: ALUMINUM 6063-T52.
12. UNITS MUST BE GLAZED PER ASTM E1300-04, SEE SHEET 4 FOR GLASS OPTIONS.
13. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
14. FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE #12 CUT-THREAD WOOD SCREWS GRADE 5 WITH 9/16" A MINIMUM EDGE DISTANCE AND SUFFICIENT LENGTH TO ACHIEVE A 1 3/8" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.

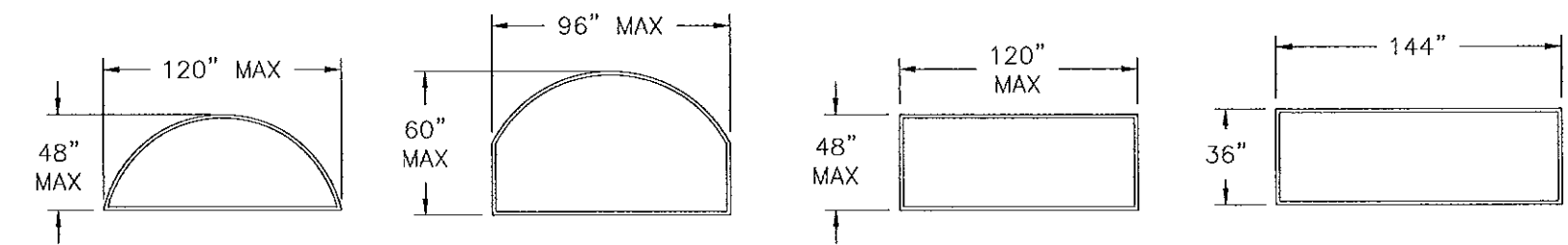
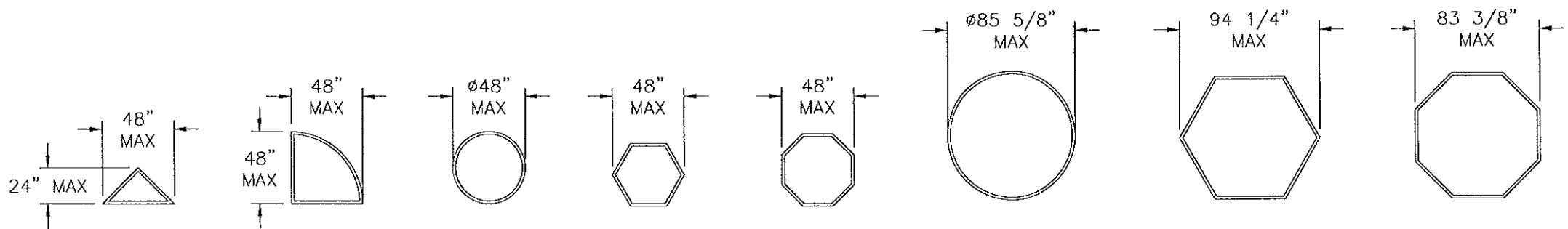
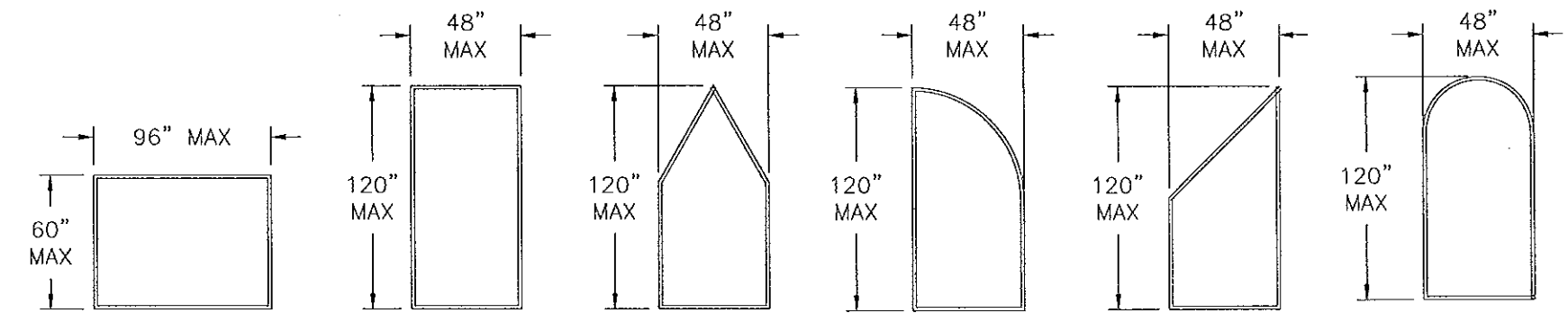
15. FOR ANCHORING INTO MASONRY/CONCRETE USE 1/4" ITW TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2 1/2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
16. FOR ANCHORING INTO METAL STRUCTURE USE #12 SMS OR SELF DRILLING SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM BEYOND STRUCTURE INTERIOR WALL. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
17. ALL FASTENERS TO BE CORROSION RESISTANT.
18. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW:
 - A. WOOD - MINIMUM SPECIFIC GRAVITY OF G=0.42
 - B. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3,192 PSI.
 - C. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90-10 CONCRETE MASONRY UNITS (CMU'S WITH NORMAL WEIGHT AND MINIMUM COMPRESSION STRENGTH OF Fc:1.9KSI), GRADE N, TYPE 1 (OR GREATER).
 - D. METAL STRUCTURE: STEEL 18GA (0.0517"), 33KSI OR ALUMINUM 6063-T5 1/8" THICK MINIMUM
19. APPROVED GEOMETRIC SHAPES DIMENSIONS SHALL NOT EXCEED AN AREA OF 40 SQUARE FEET AS TESTED. GEOMETRIC SHAPES ARE NOT LIMITED TO SHAPES SHOWN HEREIN.

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	NOTES
2 - 5	ELEVATIONS AND CHARTS
6	CROSS SECTIONS AND B.O.M.
7 - 8	INSTALLATION DETAILS

<p>Approved as complying with the Florida Building Code Date <u>10/16/2014</u> NOA# <u>12-0129.15</u> Miami Code Product Control By <u>[Signature]</u></p>		<p>WinDoor INCORPORATED</p> <p>7500 AMSTERDAM DRIVE ORLANDO, FL 32832 Phone: 407.481.8400 Fax: 407.481.0505 www.windoorinc.com</p>		<p>SIGNED: 09/25/2014</p> <p>LUIS R. LOMAS LICENSE No. 62514 STATE OF FLORIDA PROFESSIONAL ENGINEER</p>	
<p>3100 ARCHITECTURAL SHAPES FIXED WINDOW LMI & SMI HVHZ NOTES</p>		<p>DRAWN: V.L.</p>		<p>DWG NO. 08-02263</p>	
<p>SCALE NTS</p>		<p>DATE 12/19/13</p>		<p>SHEET 1 OF 8</p>	
				<p>REV B</p>	

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REVISIONS			
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A	REVISED PER MD COMMENTS	04/14/14	R.L.
B	REVISED CHART #1 AND #2	09/22/14	R.L.



APPROVED SHAPES
SEE NOTE 19 SHEET 1

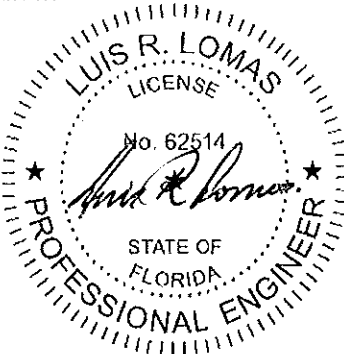
SIGNED: 09/25/2014

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Florida Building Code
Date 12-26-2014
NOA# 12-0129-15
Miami-Dade Product Control
By [Signature]

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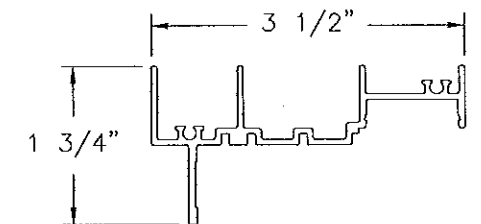
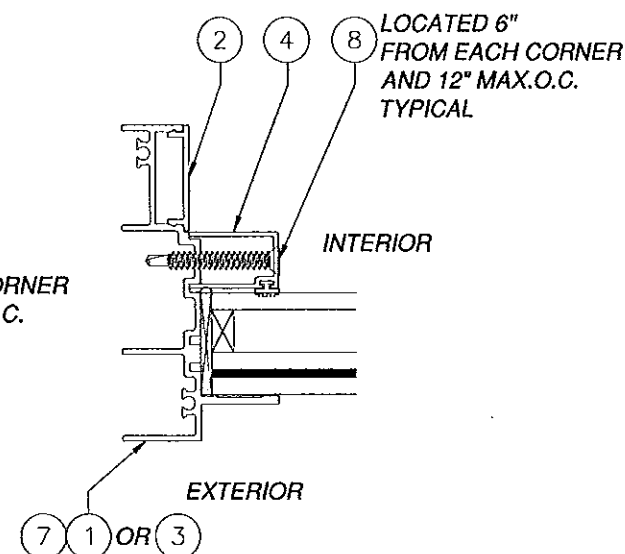
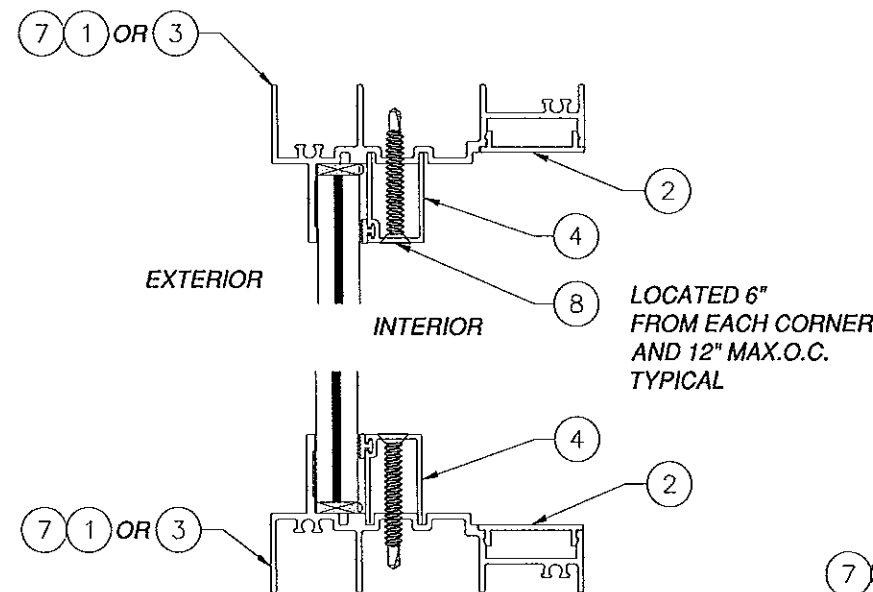
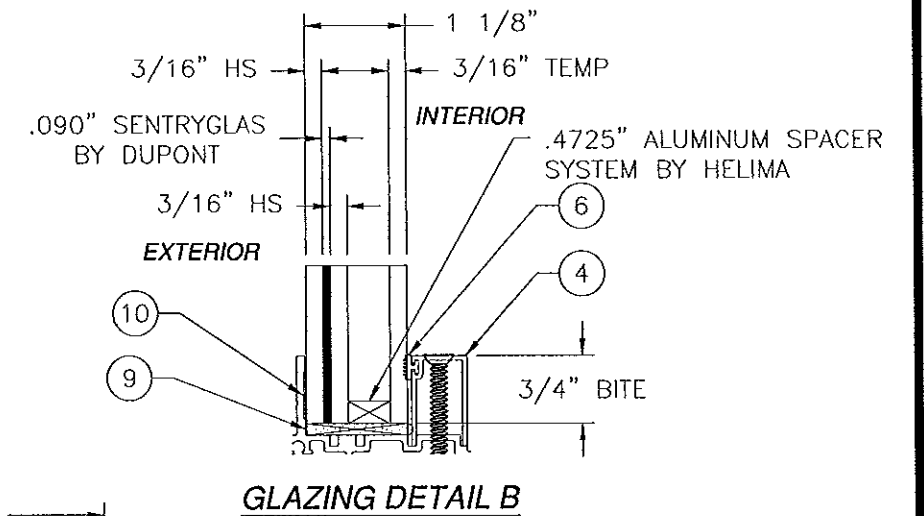
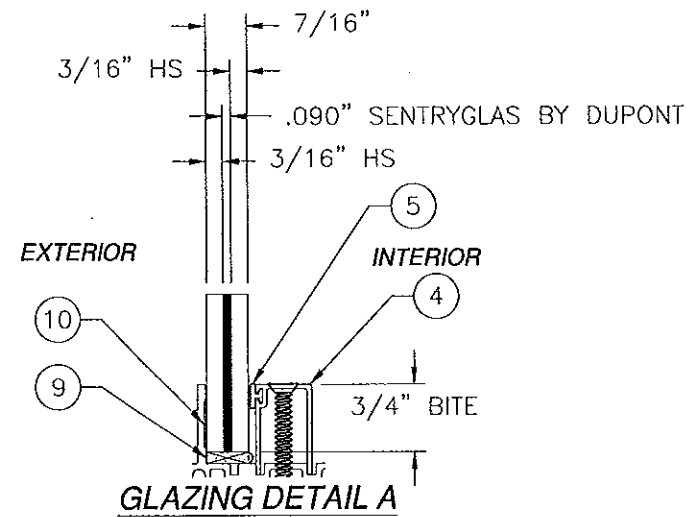
3100 ARCHITECTURAL SHAPES FIXED WINDOW
LMI & SMI HVHZ
APPROVED CONFIGURATIONS

DRAWN: V.L.	DWG NO. 08-02263	REV B
SCALE NTS	DATE 12/19/13	SHEET 3 OF 8

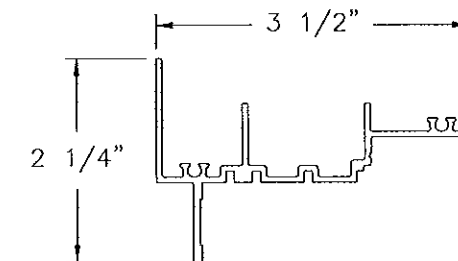


BILL OF MATERIALS				
ITEM NO.:	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
1	FS-07707	FRAME FLUSH HEAD, SILL AND JAMB	KEYMARK	ALUMINUM 6063-T52
2	FS-01833	JAMB STILE INSERT	KEYMARK	ALUMINUM 6063-T52
3	FS-07708	FRAME FLANGE HEAD, SILL & JAMB	KEYMARK	ALUMINUM 6063-T52
4	FS-07710	1 1/8" GLASS STOP	KEYMARK	ALUMINUM 6063-T52
5	121006	GLASS STOP VINYL-06A	TEAM PLASTICS	VINYL 80 DUROMETER
6	121007	GLASS STOP VINYL-07A	TEAM PLASTICS	VINYL 80 DUROMETER
7	131014	#8 X 1" PH SQUARE DRIVE LEAD POINT SCREW		STAINLESS STEEL
8	131077	#10 X 1 1/2" PFH TEK SCREW		STAINLESS STEEL
9	121104	GLASS SHIM 85 DUROMETER	FRANK LOWE	
10	SIKA 552	SEALANT	SIKA	URETHANE

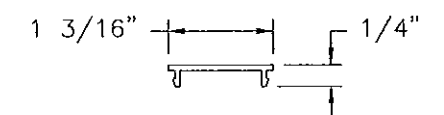
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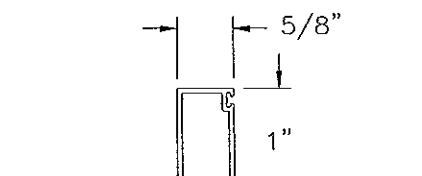
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ALUMINUM 6063-T52 .062" THICK



3 FLANGE FRAME
ALUMINUM 6063-T52 .062" THICK



2 INSERT
ALUMINUM 6063-T52 .060" THICK



4 1 1/8" GLASS STOP
ALUMINUM 6063-T52 .050" THICK

SIGNED: 09/25/2014

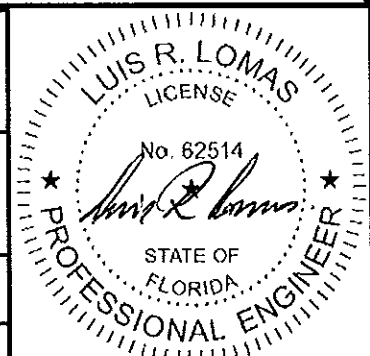
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Miami Code Product Control
By: [Signature]

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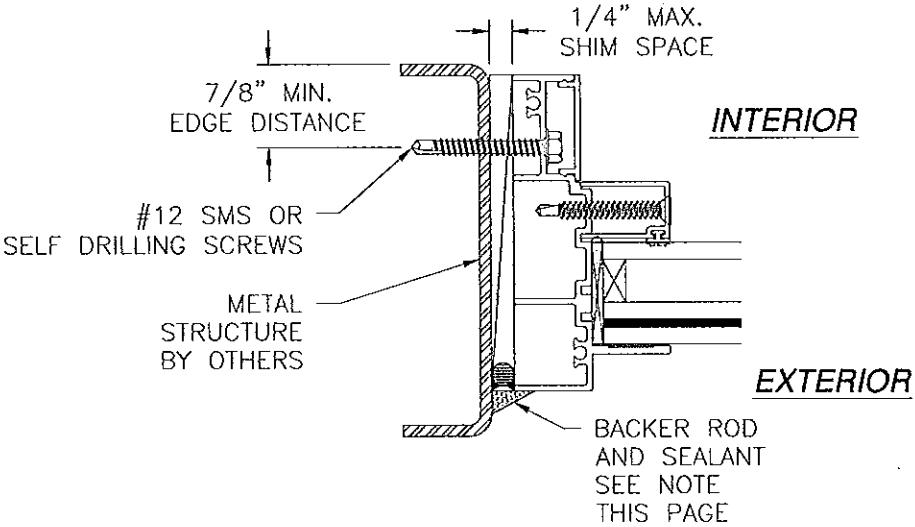
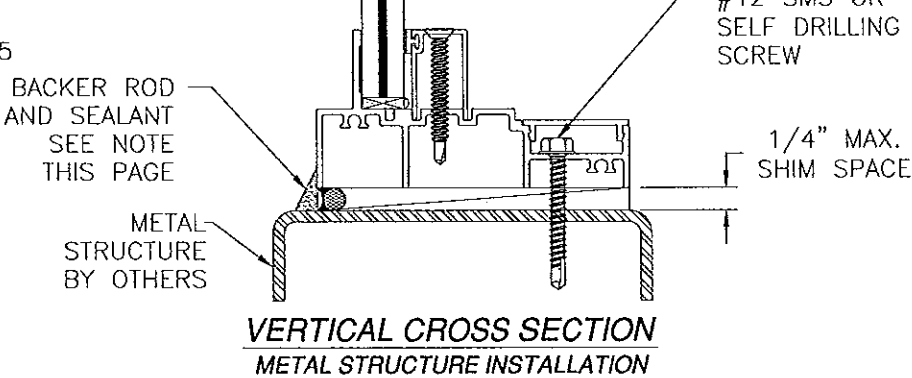
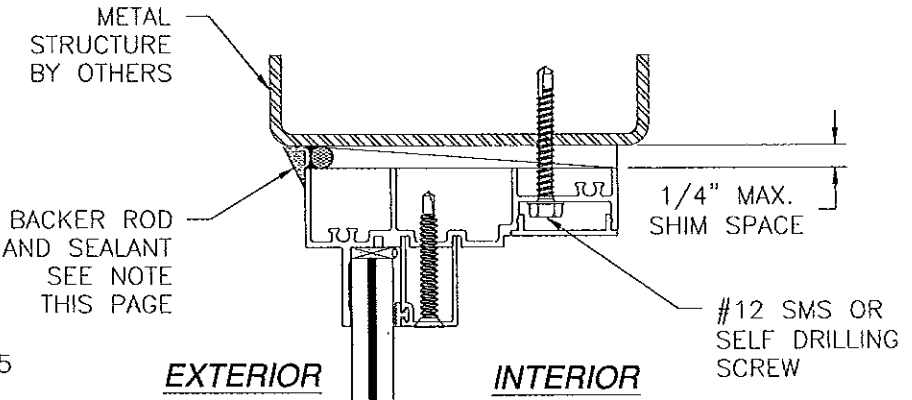
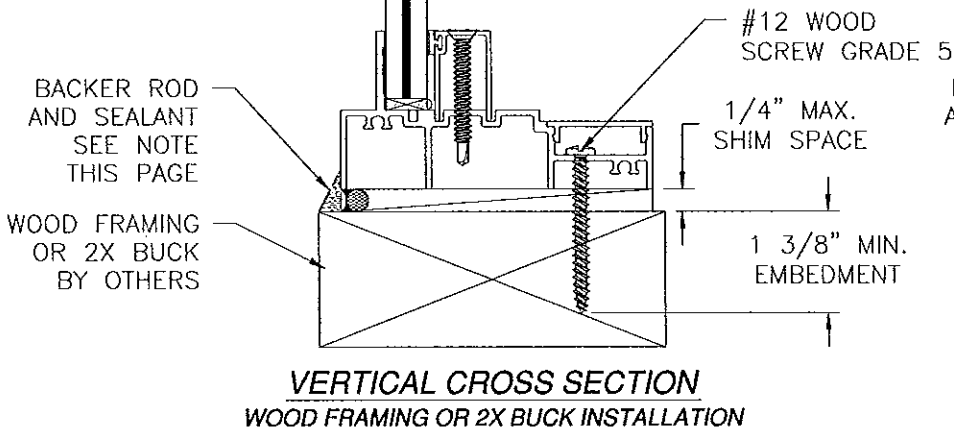
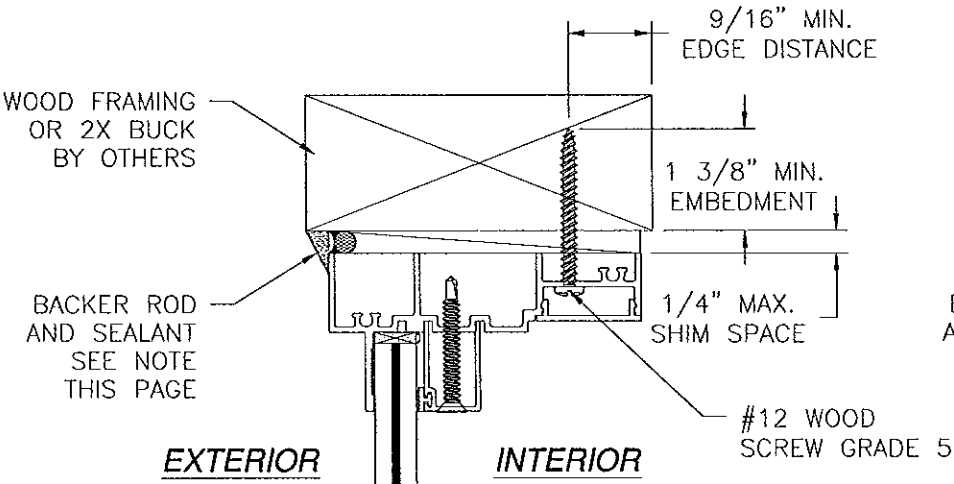
7500 AMSTERDAM DRIVE
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www.windoorinc.com

3100 ARCHITECTURAL SHAPES FIXED WINDOW
LMI & SMI HVHZ
B.O.M., CROSS SECTIONS & GLAZING DETAILS

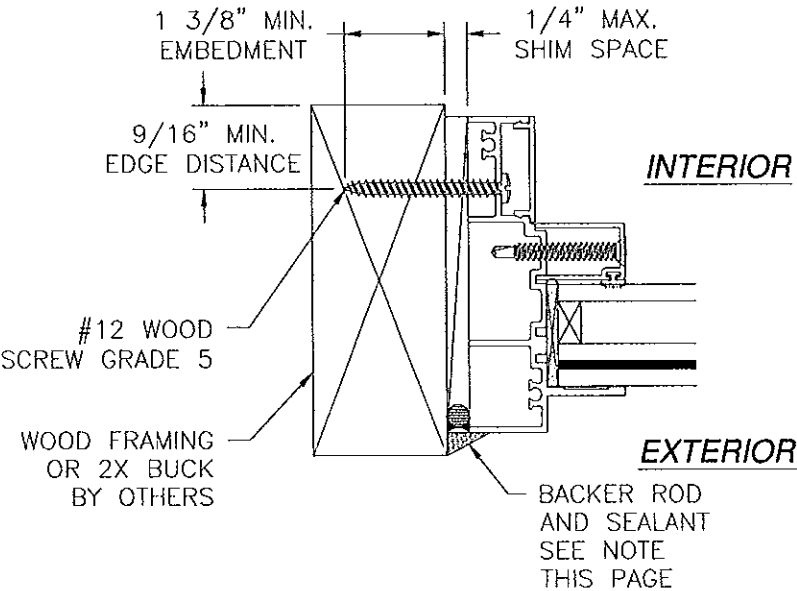
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SCALE NTS	DATE 12/19/13	SHEET 4 OF 8



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JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

SIGNED: 09/25/2014

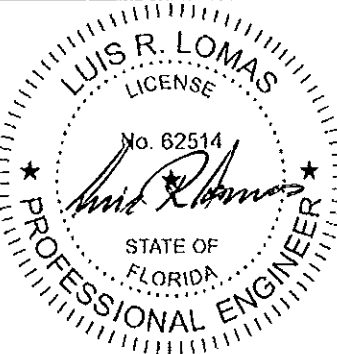
NOTE:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS,
NOT SHOWN FOR CLARITY.
2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE
DESIGNED IN ACCORDANCE WITH ASTM E2112

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Miami Trade Product Control
By [Signature]

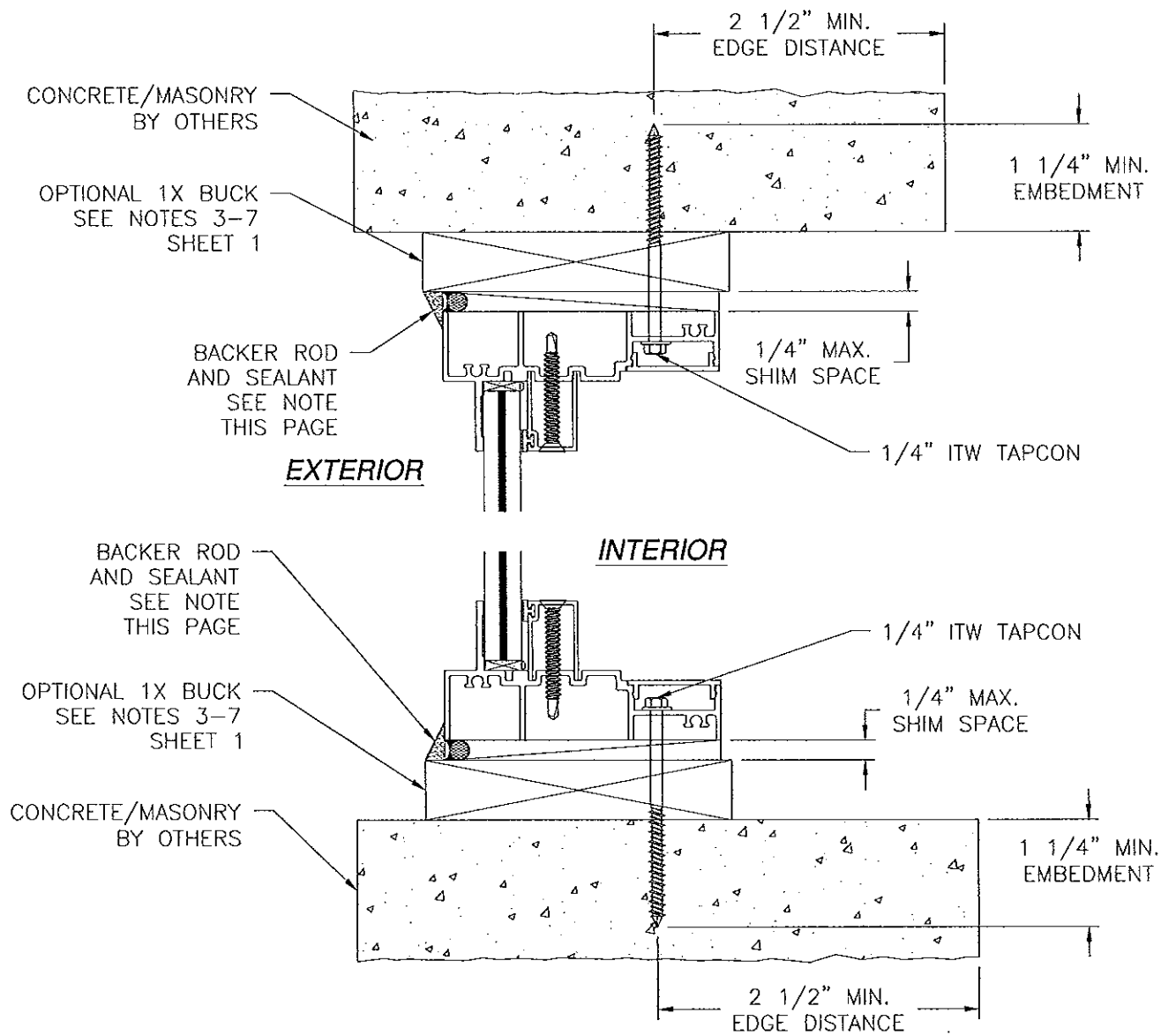
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3100 ARCHITECTURAL SHAPES FIXED WINDOW
LMI & SMI HVHZ
FLUSH INSTALLATION DETAILS

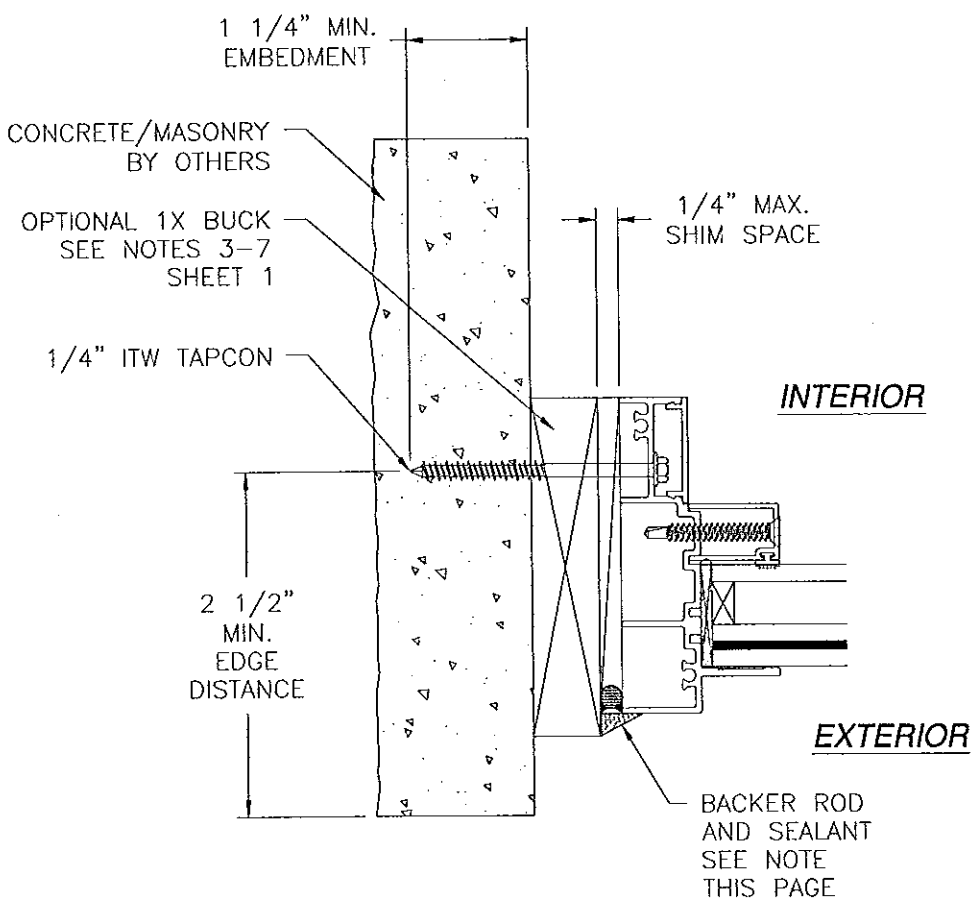
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VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION



JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

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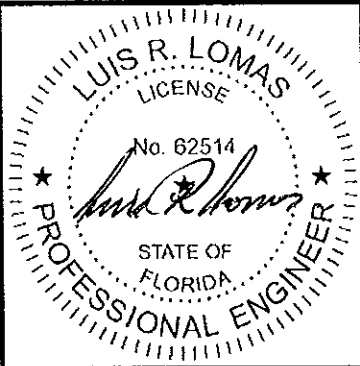
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SCALE NTS

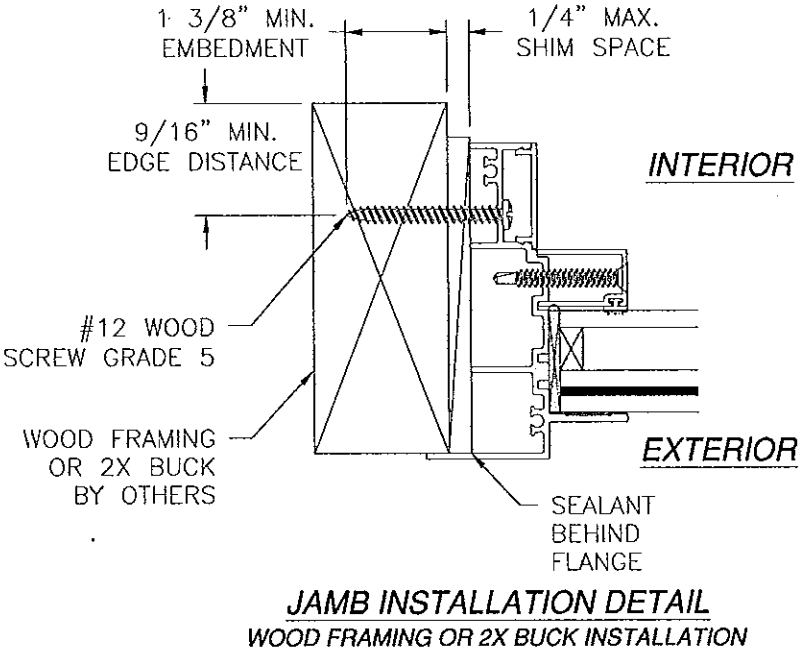
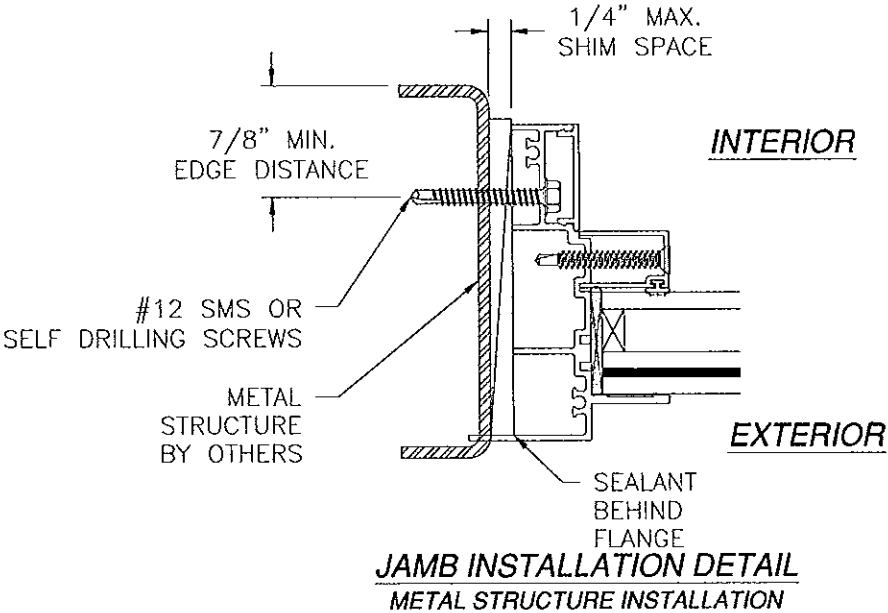
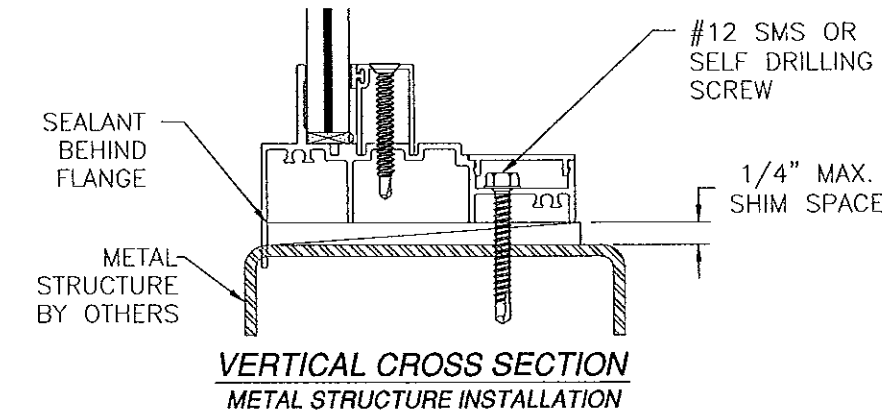
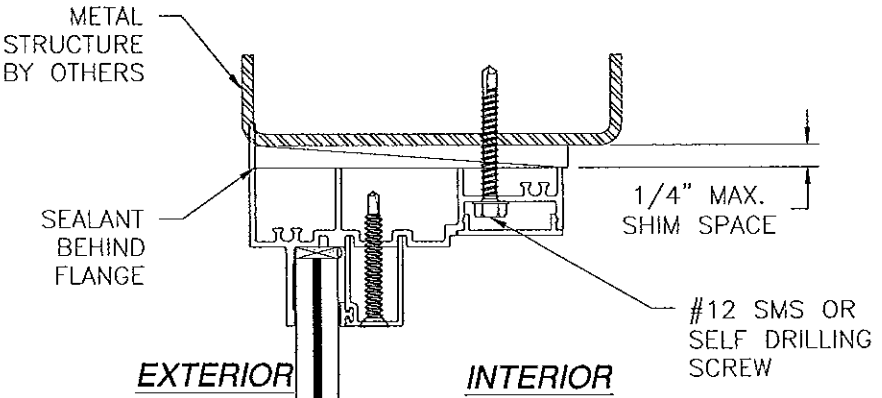
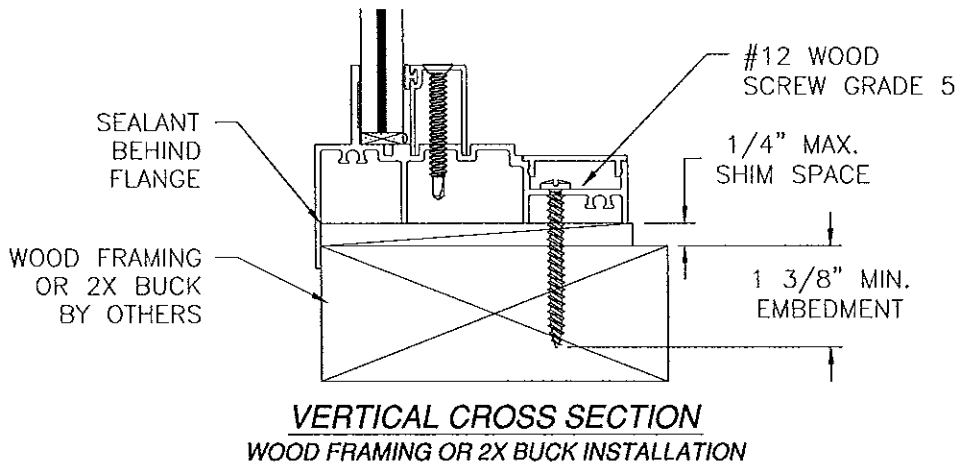
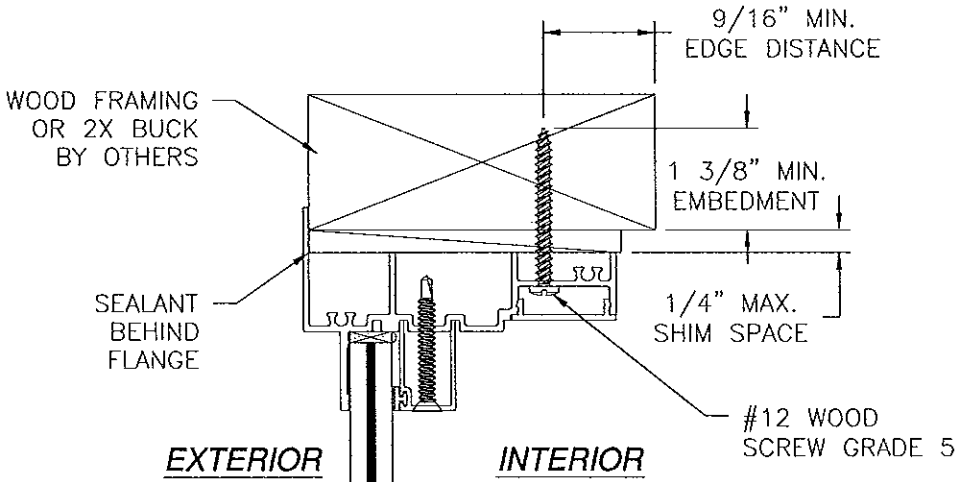
DATE 12/19/13

SHEET 6 OF 8

SIGNED: 09/25/2014



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Approved as complying with the
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 NOAH 14-0129.15
 Miami Code Product Control
 By [Signature]

WinDoor

INCORPORATED

7500 AMSTERDAM DRIVE

ORLANDO, FL 32832

Phone: 407.481.8400

Fax: 407.481.0505

www.windoorinc.com

3100 ARCHITECTURAL SHAPES FIXED WINDOW

LMI & SMI HVHZ

FLANGE INSTALLATION DETAILS

DRAWN:

V.L.

DWG NO.

08-02263

REV

B

SCALE

NTS

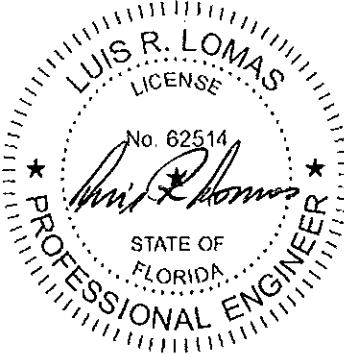
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12/19/13

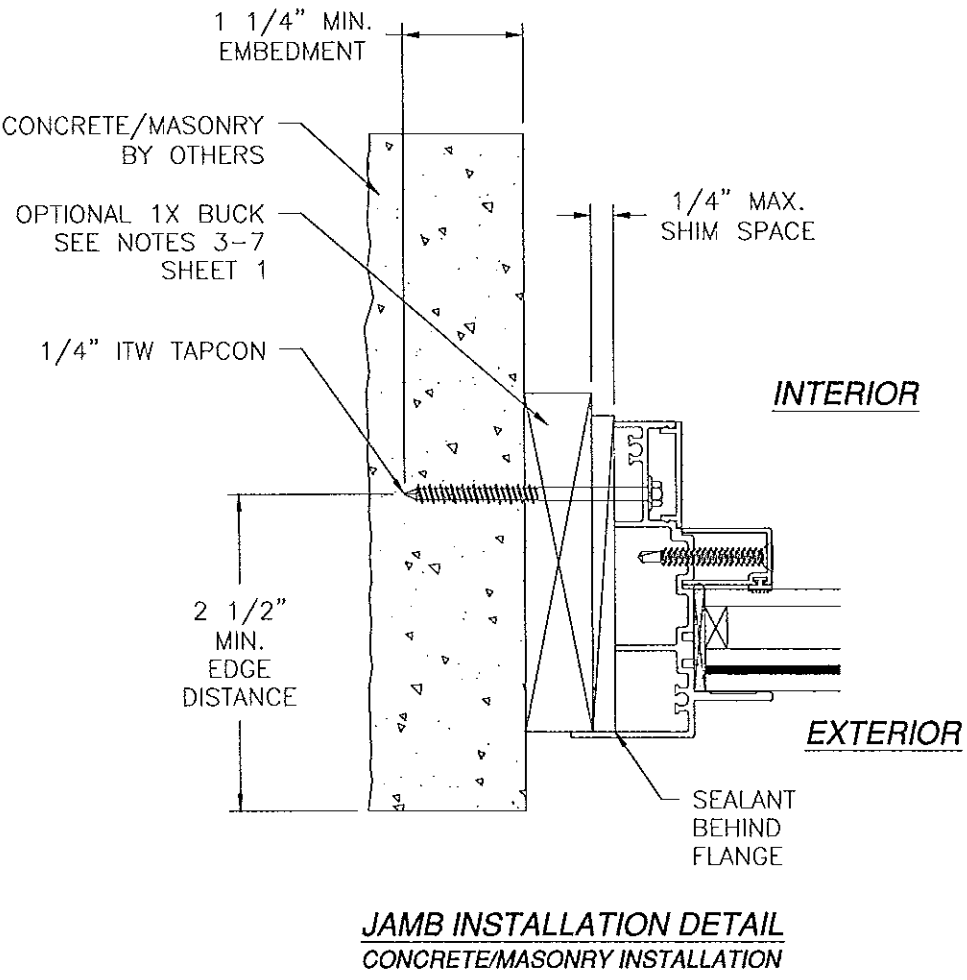
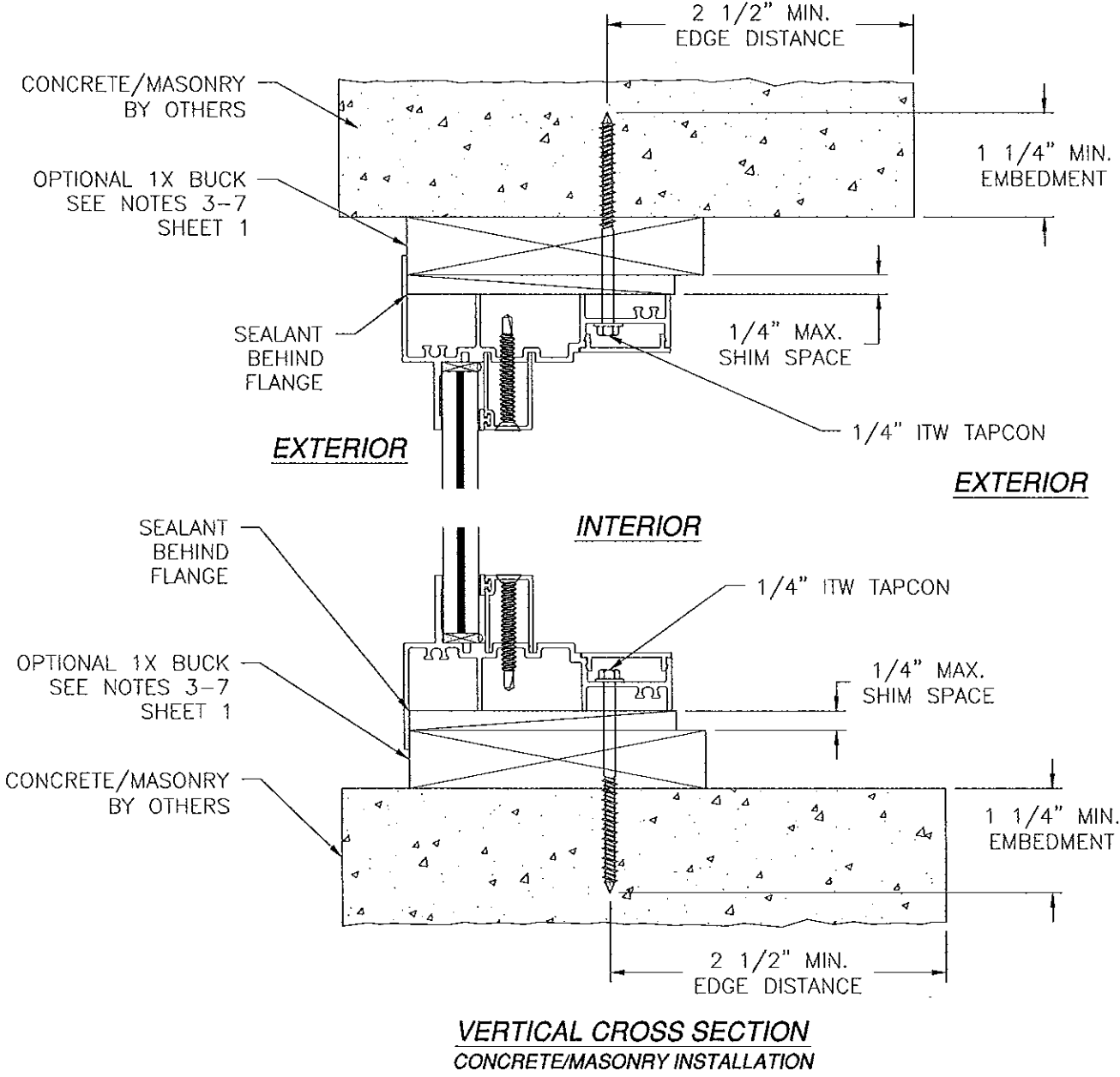
SHEET

7 OF 8

SIGNED: 09/25/2014



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NOTE:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

Approved as complying with the
Florida Building Code
Date 10/16/2014
NOAH 14-8129.15
Miami Code Product Control
By *[Signature]*

WinDoor

INCORPORATED

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REV
B

SCALE NTS

DATE 12/19/13

SHEET 8 OF 8

SIGNED: 09/25/2014

